

TRI On-site and Off-site Releases, by State, 1998  
ORIGINAL INDUSTRIES

State	On-site Releases										Off-site Releases	
	Total Facilities Number	Total Forms Number	Form As Number	Total Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection		On-site Land Releases		Total On-site Releases Pounds	Transfers Off-site to Disposal Pounds	Total On- and Off-site Releases Pounds
						Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Alabama	531	2,015	333	54,160,590	4,810,219	0	5	718,739	11,344,626	71,034,179	17,553,193	88,587,372
Alaska	6	30	4	1,838,917	96,428	0	256	0	1,872	1,937,473	286	1,937,759
American Samoa	1	1	0	8,750	0	0	0	0	0	8,750	0	8,750
Arizona*	212	542	105	5,840,821	5,038	4	0	4,554	47,391,811	53,242,228	839,920	54,082,148
Arkansas	395	1,280	210	25,858,289	1,820,349	1,172,182	5	169,622	2,091,114	31,111,561	4,330,200	35,441,761
California	1,376	3,788	634	26,784,463	3,854,112	0	81,905	17,224	1,844,261	32,581,965	7,844,079	40,426,044
Colorado	172	469	120	2,987,059	996,480	0	0	0	62,821	4,046,360	1,048,238	5,094,598
Connecticut	304	843	87	4,813,164	600,326	0	0	0	36,943	5,450,433	2,087,069	7,537,502
Delaware	67	266	36	4,238,492	747,352	0	0	250	346,937	5,333,031	86,948	5,419,979
District of Columbia	3	5	0	2,700	6	0	0	0	8,800	11,506	5	11,511
Florida	523	1,308	250	31,915,108	2,049,041	27,473,112	0	2,064	14,552,129	75,991,454	1,954,024	77,945,478
Georgia	739	2,356	603	46,621,812	6,288,967	0	0	238,189	1,934,127	55,083,095	2,414,899	57,497,994
Guam	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	14	57	11	376,116	2,057	0	3,849	0	33,634	415,656	3,268	418,924
Idaho	65	209	22	6,250,363	5,575,048	0	0	0	10,664,410	22,489,821	214,892	22,704,713
Illinois	1,274	4,253	675	58,775,372	6,264,554	250	0	9,286,090	10,402,373	84,728,639	17,721,684	102,450,323
Indiana	1,000	3,344	387	52,797,207	2,117,917	1,039,913	0	1,172,555	13,249,166	70,376,758	44,516,471	114,893,229
Iowa	414	1,249	214	25,575,473	3,118,336	0	0	336,491	1,945,508	30,975,808	4,319,410	35,295,218
Kansas	262	896	99	19,492,825	620,344	1,350,665	0	292	1,109,233	22,573,359	6,433,673	29,007,032
Kentucky	423	1,604	186	30,707,376	613,048	0	0	485,532	2,812,464	34,618,420	5,230,783	39,849,203
Louisiana	315	2,202	207	75,490,120	37,153,990	52,845,038	0	782	8,004,650	173,494,580	1,799,852	175,294,432
Maine	81	306	33	6,521,208	1,096,895	0	0	155,561	705,948	8,479,612	1,155,851	9,635,463
Maryland	185	580	144	8,213,866	2,375,596	0	0	0	1,994,518	12,583,980	645,881	13,229,861
Massachusetts	465	1,255	187	4,838,904	51,598	0	0	0	4,297	4,894,799	2,381,450	7,276,249
Michigan	894	3,228	373	40,997,059	483,956	3,431,059	0	86,194	2,072,063	47,070,331	36,042,210	83,112,541
Minnesota	470	1,290	248	15,904,943	812,176	0	0	1,069	286,453	17,004,641	2,375,503	19,380,144
Mississippi	321	1,088	172	35,436,941	11,383,390	6,892,506	0	6,703	5,502,602	59,222,142	1,187,049	60,409,191
Missouri	561	1,847	327	30,206,648	2,528,218	0	0	75,750	19,750,936	52,561,552	4,405,048	56,966,600
Montana	29	160	19	4,190,212	94,176	0	0	2,298	42,244,471	46,531,157	600,495	47,131,652
Nebraska	162	494	93	6,338,728	2,487,238	0	0	3	575,591	9,401,560	3,685,052	13,086,612
Nevada	52	121	26	1,750,522	0	0	0	0	2,421,469	4,171,991	32,854	4,204,845
New Hampshire	106	309	51	2,298,511	127,630	0	0	0	2,508,228	2,508,228	454,521	2,962,749
New Jersey	553	1,957	371	9,330,070	6,132,478	2	0	71,759	270,775	15,805,084	4,088,383	19,893,467
New Mexico	44	168	25	1,531,690	12,508	0	0	0	23,174,487	24,718,685	109,121	24,827,806
New York	630	1,897	253	21,867,773	7,873,875	500	0	14,688	125,120	29,881,956	5,096,339	34,978,295
North Carolina	815	2,462	516	44,780,426	7,294,815	29,100	0	1,335	18,642,059	70,747,735	4,884,200	75,631,935
North Dakota	33	92	18	2,255,973	43,280	0	0	0	2,506	2,301,759	147,721	2,449,480
Northern Marianas	0	0	0	0	0	0	0	0	0	0	0	0
Ohio	1,579	5,263	772	63,602,506	5,778,926	13,329,724	0	1,378,051	24,467,189	108,556,396	35,786,258	144,342,654
Oklahoma	290	908	163	16,867,200	751,512	3,318,269	0	525,142	189,954	21,652,077	2,527,302	24,179,379
Oregon	256	766	116	16,266,446	2,573,110	0	0	24,997	2,527,503	21,392,056	1,870,536	23,262,592
Pennsylvania	1,266	4,086	548	38,602,369	45,483,216	0	0	95,834	2,055,749	86,237,168	49,771,001	136,008,169
Puerto Rico	146	440	56	6,504,721	128,874	0	0	250	9,307	6,643,152	643,651	7,286,803
Rhode Island	132	331	69	1,433,349	1,465	0	0	0	505	1,435,319	297,555	1,732,874
South Carolina	476	1,781	263	43,284,655	3,343,152	0	0	35,750	1,981,029	48,644,586	5,263,774	53,908,360
South Dakota	66	150	19	2,314,440	808,061	0	0	0	13,807	3,136,308	114,923	3,251,231
Tennessee	639	2,078	268	77,905,764	1,442,948	3,816,300	0	137,682	3,815,988	87,118,682	5,989,694	93,108,376
Texas	1,249	5,961	706	110,705,485	25,158,641	88,189,920	8,000	167,524	20,070,107	244,299,677	14,858,547	259,158,224
Utah	142	486	73	61,208,838	1,131,818	0	0	11,158	36,137,000	98,488,814	947,423	99,436,237
Vermont	34	77	8	189,210	151,374	0	0	0	1,005	341,589	71,376	412,965
Virgin Islands	1	25	0	1,016,014	37,903	0	0	0	1,502	1,055,419	142	1,055,561
Virginia	433	1,394	191	45,297,883	2,561,850	0	0	104,229	1,513,123	49,477,085	6,945,274	56,422,359
Washington	287	957	138	21,604,993	3,497,496	0	0	255	343,960	25,446,704	2,283,466	27,730,170
West Virginia	141	695	34	12,404,749	7,266,259	20	0	10,036	33,521	19,714,585	6,436,253	26,150,838
Wisconsin	855	2,560	360	25,035,473	3,711,391	0	0	842	1,441,221	30,188,927	12,690,355	42,879,282
Wyoming	28	145	17	1,708,858	6,325	7,656,300	505	0	40,649	9,412,637	25,026	9,437,663
Total	21,517	72,074	10,840	1,256,951,444	223,365,762	210,544,864	94,525	15,339,494	340,335,380	2,046,631,469	332,213,128	2,378,844,597

**Note: On-site Releases** from Section 5 of Form R. **Off-site Releases** are from Section 6 (transfers off-site to disposal) of Form R.

**Off-site Releases** include metals and metal compounds transferred off-site for solidification/stabilization and for wastewater treatment, including to POTWs.

**Off-site Releases** do not include transfers to disposal sent to other TRI facilities that reported the amount as an on-site release.

Facilities/forms are included in the original industry category if they did not report a new industry SIC code.

Facilities/forms are included in the new industry category if the facility/form has a new industry SIC code and no SIC code in 20-39.

If the facility reported in any year prior to 1998 and the facility/form has a combination of original and new industry SIC codes, then the facility/form is included in the original industry category.

If the facility reported for the first time in 1998 and the facility/form has a combination of original and new industry SIC codes, then the facility/form is included in the new industry category.

\* One facility, Cyprus Miami Mining in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1998 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.

Users of TRI information should be aware that TRI data reflect releases and other waste management of chemicals, not exposures of the public to those chemicals.

Release estimates alone are not sufficient to determine exposure or to calculate potential adverse effects on human health and the environment. TRI data, in conjunction with other information, can be used as a starting point in evaluating exposures that may result from release and other waste management activities which involve toxic chemicals.

TRI Chemicals in Waste, by State, 1998  
ORIGINAL INDUSTRIES

State	Recycled		Energy Recovery		Treated		Quantity Released On- and Off-site Pounds	Total Production-related Waste Pounds	Non-Production-related Waste Pounds
	On-site Pounds	Off-site Pounds	On-site Pounds	Off-site Pounds	On-site Pounds	Off-site Pounds			
Alabama	293,178,514	37,396,496	65,522,981	11,172,203	284,398,610	13,390,960	78,418,482	783,478,246	233,142
Alaska	29,841	26,770	450,000	4,979	1,535,357	832	1,951,419	3,999,198	7,656
American Samoa	0	0	0	0	0	0	8,750	8,750	0
Arizona*	83,318,075	29,357,820	603,220	1,118,310	9,462,416	3,293,116	54,472,730	181,625,687	29,476
Arkansas	307,082,125	45,083,148	31,483,664	6,312,538	120,250,468	1,540,244	47,275,247	559,027,434	4,106,494
California	41,705,125	79,721,904	27,993,472	10,022,282	77,512,667	20,306,906	43,876,517	301,138,873	457,053
Colorado	15,020,295	19,227,144	392,668	4,745,334	6,941,988	3,280,735	5,249,439	54,857,603	82,863
Connecticut	94,526,224	19,528,393	3,070,165	2,305,077	44,169,482	8,793,271	6,841,765	179,234,377	62,444
Delaware	34,449,054	11,979,531	16,155,665	1,496,321	66,770,660	3,953,988	5,490,957	140,296,176	8,305
District of Columbia	0	7,000	0	0	300	5,700	11,512	24,512	0
Florida	706,626,708	21,487,365	15,126,614	3,637,599	108,998,283	9,037,205	76,662,033	941,575,807	50,634
Georgia	280,851,010	53,769,200	45,242,232	11,927,123	174,892,589	7,366,156	64,208,570	638,256,880	65,965
Guam	0	0	0	0	0	0	0	0	0
Hawaii	0	110,652	0	1,139	3,568,243	2,468	435,396	4,117,898	0
Idaho	3,568,753	2,119,253	31,000	158,899	22,561,924	796,900	22,762,659	51,999,388	3,148
Illinois	1,327,391,943	91,148,220	43,023,655	24,961,812	186,856,266	16,836,814	111,580,789	1,801,799,499	199,733
Indiana	164,005,314	197,221,070	149,035,099	12,679,271	135,790,062	16,302,192	119,296,537	794,329,545	297,556
Iowa	187,987,387	51,296,173	1,302,522	3,698,314	44,990,575	11,046,771	38,189,865	338,421,607	1,232,058
Kansas	126,542,458	59,430,708	105,332,327	3,791,045	13,754,125	5,081,096	25,583,848	339,515,607	99,249
Kentucky	348,344,246	48,524,049	66,899,304	8,146,849	117,330,012	8,634,842	38,829,320	636,708,622	58,826
Louisiana	844,859,683	47,139,502	337,940,984	19,099,381	880,378,400	16,761,232	174,819,499	2,320,998,681	375,410
Maine	9,499,057	2,145,059	9,903,867	299,639	64,160,587	360,869	9,800,532	96,169,610	934
Maryland	25,867,890	12,711,729	13,281,742	905,351	31,078,971	9,597,164	13,170,908	106,613,755	85,946
Massachusetts	27,120,870	24,626,565	6,549,099	6,991,254	21,053,259	12,325,582	5,890,441	104,557,070	707,790
Michigan	335,609,755	113,906,959	179,352,021	62,742,845	92,220,412	41,034,588	83,342,074	908,208,654	412,668
Minnesota	187,351,415	21,940,758	7,034,602	2,191,446	36,106,015	10,716,446	20,096,775	285,437,457	19,320
Mississippi	218,143,589	17,567,013	26,001,891	5,817,512	159,925,362	2,051,241	69,192,130	498,698,738	447,356
Missouri	225,246,952	55,448,281	97,649,194	11,436,473	63,212,942	12,486,677	56,525,357	522,005,876	64,217
Montana	33,461,138	161,043	2,736,683	54,685	8,727,209	29,422	51,408,605	96,578,785	74,742
Nebraska	1,660,358	26,345,794	534,716	476,364	11,072,700	4,544,108	20,480,915	65,114,955	10,296
Nevada	2,362,845	1,534,498	0	48,834	18,800,024	74,576	4,199,511	27,020,288	1,178
New Hampshire	19,759,819	14,636,857	1,291,862	2,310,099	12,528,800	826,675	2,610,514	53,964,626	6,661
New Jersey	86,428,952	40,389,248	205,384,100	25,742,415	132,394,426	27,467,724	20,739,656	538,546,521	123,335
New Mexico	2,231,074	743,952	25,925,563	52,123	4,485,523	559,469	24,272,903	58,270,607	2,110
New York	156,470,019	83,112,852	29,244,695	7,742,986	101,936,741	11,745,062	34,482,342	424,734,697	103,088
North Carolina	450,977,261	79,998,828	24,962,940	13,655,285	136,366,086	6,062,485	76,984,678	789,007,563	90,473
North Dakota	131,875	683,398	0	37,540	4,581,936	559,345	2,467,835	8,461,929	12,700
Northern Marianas	0	0	0	0	0	0	0	0	0
Ohio	268,220,342	183,145,482	115,563,551	35,621,104	141,513,103	34,776,713	148,744,315	927,584,610	570,267
Oklahoma	40,910,547	21,345,349	232,300	4,679,332	18,606,140	1,514,188	23,129,013	110,416,869	284,686
Oregon	31,674,879	15,126,650	15,244,417	2,021,771	137,251,954	14,225,060	32,818,337	248,363,068	8,477
Pennsylvania	399,505,129	140,635,343	54,321,983	22,163,998	176,655,847	28,973,270	142,164,686	964,420,256	3,335,635
Puerto Rico	12,450,070	11,561,577	692,502	11,095,257	18,518,748	11,680,723	7,306,280	73,305,157	12,304
Rhode Island	8,516,176	10,988,271	206,716	794,872	7,275,506	499,916	1,681,961	29,963,418	3,085
South Carolina	461,741,175	54,051,753	73,648,246	14,236,094	108,285,284	14,812,906	59,871,574	786,647,032	92,491
South Dakota	479,727	899,786	1,092,000	209,283	1,891,554	1,267,051	3,198,539	9,037,940	371
Tennessee	213,074,975	69,924,557	89,442,272	4,868,429	89,279,362	10,284,402	94,201,404	571,075,401	746,569
Texas	1,118,957,774	149,833,364	829,307,121	87,792,352	1,455,423,890	95,273,974	261,684,178	3,998,272,653	3,361,190
Utah	1,596,040	2,756,858	25,386,759	159,747	231,471,430	900,241	97,487,844	359,758,919	8,754,117
Vermont	136,592	1,644,156	0	17,016	1,319,812	379,625	454,462	3,951,663	16,005
Virgin Islands	736,904	145,485	0	0	14,488,182	390,821	1,055,560	16,816,952	0
Virginia	254,849,274	18,914,718	37,236,947	7,662,931	109,085,977	17,193,602	56,241,714	501,185,163	22,730
Washington	87,128,868	6,791,475	14,323,943	949,756	73,796,501	3,987,101	31,444,599	218,422,243	115,891
West Virginia	43,338,962	6,081,695	44,353,486	9,802,836	110,440,195	7,055,196	26,112,905	247,185,275	80,476
Wisconsin	60,149,181	54,941,089	10,932,984	17,504,954	115,987,625	17,267,203	40,616,199	317,399,235	36,926
Wyoming	1,548,983	105,056	45,655	10,664	2,976,520	178	9,412,762	14,099,818	19,417
Total	9,646,825,222	2,059,419,896	2,851,489,429	485,373,723	6,012,991,050	547,355,031	2,449,256,842	24,052,711,193	26,993,463

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